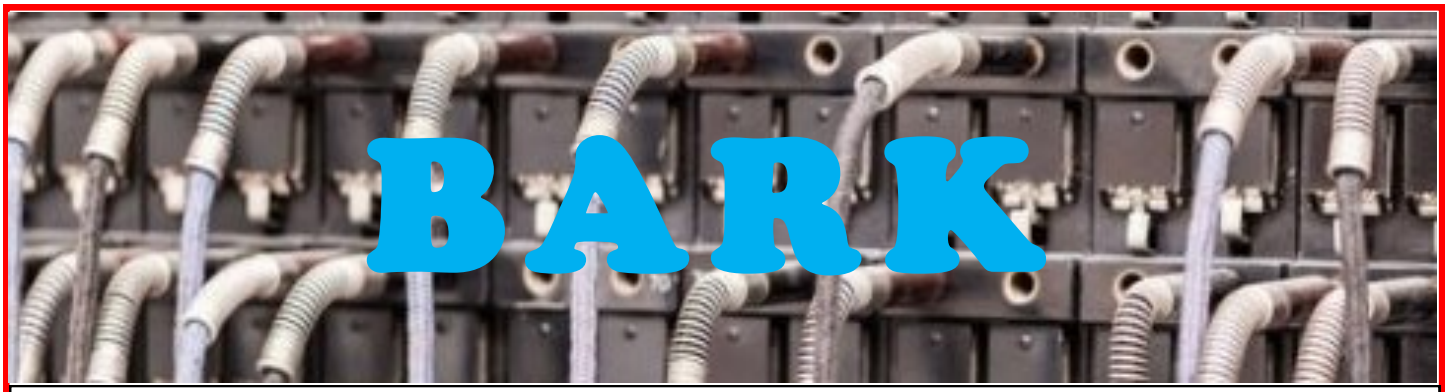

August, 2019 VOLUME 16, ISSUE 8 ©Radio Club of Tacoma W7DK

Time for elections and some committee changes at RCT!

As the summer starts to wind down (and what a great summer it's been!), we're coming into another Radio Club of Tacoma election cycle with a number of positions up for grabs. Those positions include three board of directors spots, Vice President, and Secretary. All of the incumbents have tossed in their hats to run so the duties of the Election Committee have been fulfilled, in that we have at least one candidate for each open position.

However, additional nominations can be accepted from the floor at the September and October General Meetings. There's no reason that other folks can't take a shot at a position! You may nominate yourself from the floor, or nominate someone else as long as you have their permission to be nominated. It's always a little more interesting and fun when we have some competition for elected positions! It's also often healthy for any organization to bring in new thoughts, perspectives, and ideas from those who have not been an elected officer before. An announcement will be made during both the September and October General meetings soliciting further nominations. The election will be held at the November General Meeting but no nominations can be accepted then as the nomination period ends after the October meeting.

Other changes are afoot as well! As I'm sure most of you are aware, I've been wearing the General Meeting Program Coordinator hat since May of 2014, so just over five years in the post. I hope that you found many of the presentations I arranged to be fun, interesting, thought-provoking or otherwise meaningful to you. However, the time has come for a fresh perspective on the content for our monthly General Meeting presentation. Verna Lilly KF7SCB has stepped up to be the next Program Coordinator, beginning with the January 2020 meeting. So let's all welcome Verna to this new role that I just know is going to bring a fresh new stream of program ideas to us every first Saturday! Big shout-out of thanks, Verna, for offering to take over. After seeing her initial proposal for the first year in the position, I have 100% confidence she will do an awesome job. And for a preview of things to come, she will be covering the program for the September meeting, as I will be out of state that day. Thanks Verna!

In another change, Anne N7ANN, who has similarly held the position of Refreshments Coordinator since around the same time, will also step down at the end of the year. It's not a hard job and quite fun, especially if you don't mind

The President's Corner

Dave W7UUU

Contents

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The Radio Club of Tacoma needs a new editor to take over The Logger's BARK starting with the January, 2020 issue. If this interests you please inform P. J. Hicks N7PH and get started familiarizing yourself with the process. P.J. , editor.

baking some brownies and mixing up some Crystal Light once a month! Expenses are covered by the club – you simply submit for reimbursement to Treasurer, Steve Dightman, AF7YD. And of course, now that the Eagles Club provides sandwich options, the refreshments needs have been reduced. If this sounds like something you'd like to do, Anne would be happy to sit down with you at the next meeting and discuss all the details. It's a fun committee job for anyone who is able to attend every General Meeting.

Anne and I will continue to make sure the Eagles Aerie #3 is paid up and current, and that our annual Awards Banquet happens as it should on the first Sunday of December at Eagles Aerie #2933, which this year will be December 1st, from Noon to 3:00 PM. And of course, just around the corner is the annual Summer Picnic on the 4th Sunday of August, which this year is August 25th, from Noon to 4:00, which we will continue to make sure happens in the future. So nothing regarding these important events will be affected, as they are considered separate from the Refreshments Committee.

Lastly, but far from least, our industrious Logger's Bark editor, P.J. Hicks, N7PH, will also be stepping down after his two year stint. Come December (preferably sooner!) we need to have a new Editor in Chief lined up and being coached to take the reins for the January Bark edition. You don't have to have experience as an editor or even as a writer! Anyone with general computer and reading skills, a desire to create something fun and interesting, and a few hours of free time every month can learn from the Masters, P.J, Rich Patrick, Mike Finnie, and Gary McAdams (all previous editors) and in no time be editing the Bark like a pro! If this sounds like you just let P.J. or any club officer know and we'll get you started.

So that's about it for now! Just know that we will not be able to attend the September General Meeting as Anne N7ANN and I will be celebrating our 15th wedding anniversary at Hotel Del Coronado in San Diego all of that week. But you'll be in good hands with Verna running the program and I'm sure folks can combine efforts on a refreshment or two.

Until next month's column,

73,
Dave
W7UUU

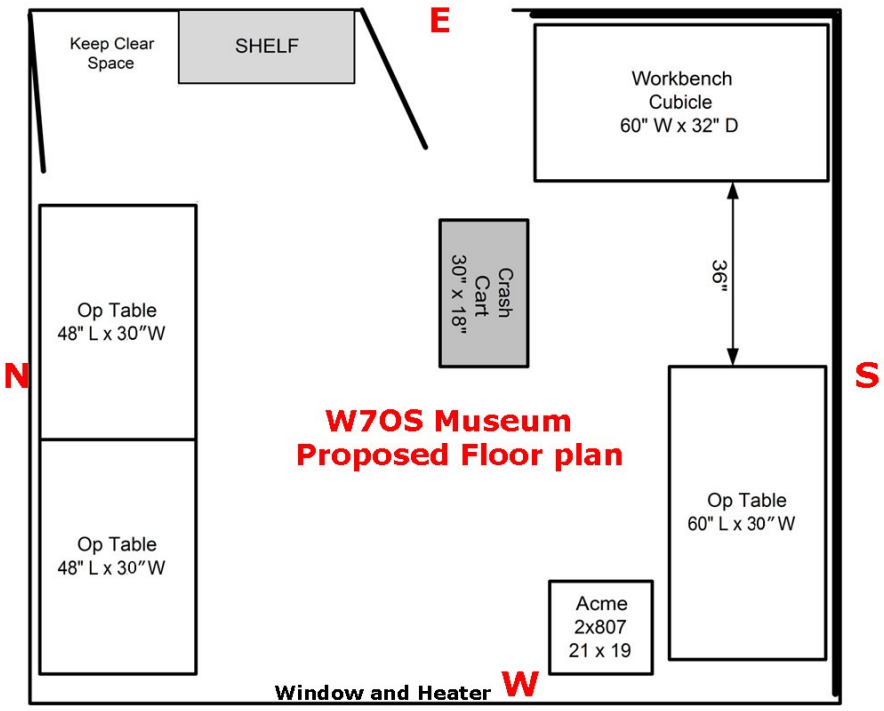
RCT Saturday Open House Show and Tell - Expert Electronics MB-1 TRXR

On Saturday, August 17, I brought my new Expert Electronics MB-1 transceiver to the club house at the urging of half a dozen members who were curious what it looked like and how it operated. The MB-1 is a SDR transceiver capable of 120 watts on 160M through 2M, all modes. It features a built in power supply and complete Windows 10 computer. The built in 7" display is somewhat small but very capable non-the-less. There are plenty of knobs and buttons to satisfy those who like that style. I purchased the radio from Yuri Sushkin N3QQ out of Kirkland, WA at the Dayton show price and he hand delivered it. Nice. sales@nsiradio.com P.J. N7PH ed.

Warren NG7G exploring the MB1 features

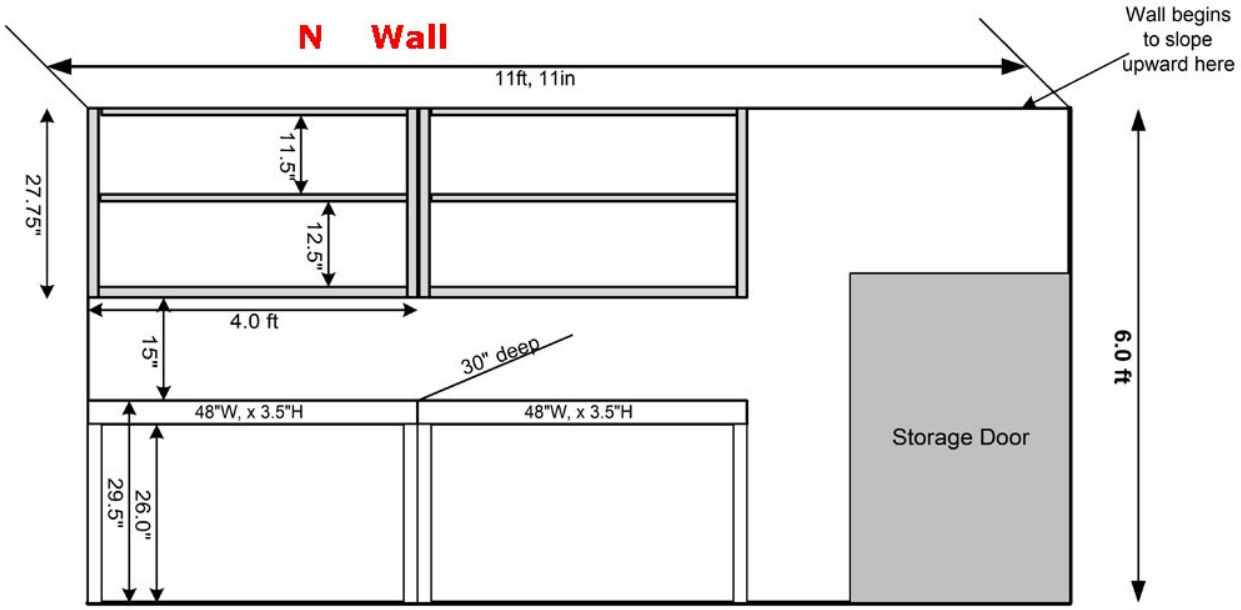
W7OS Museum Report —Some Changes on the Horizon—by Rich KR7W

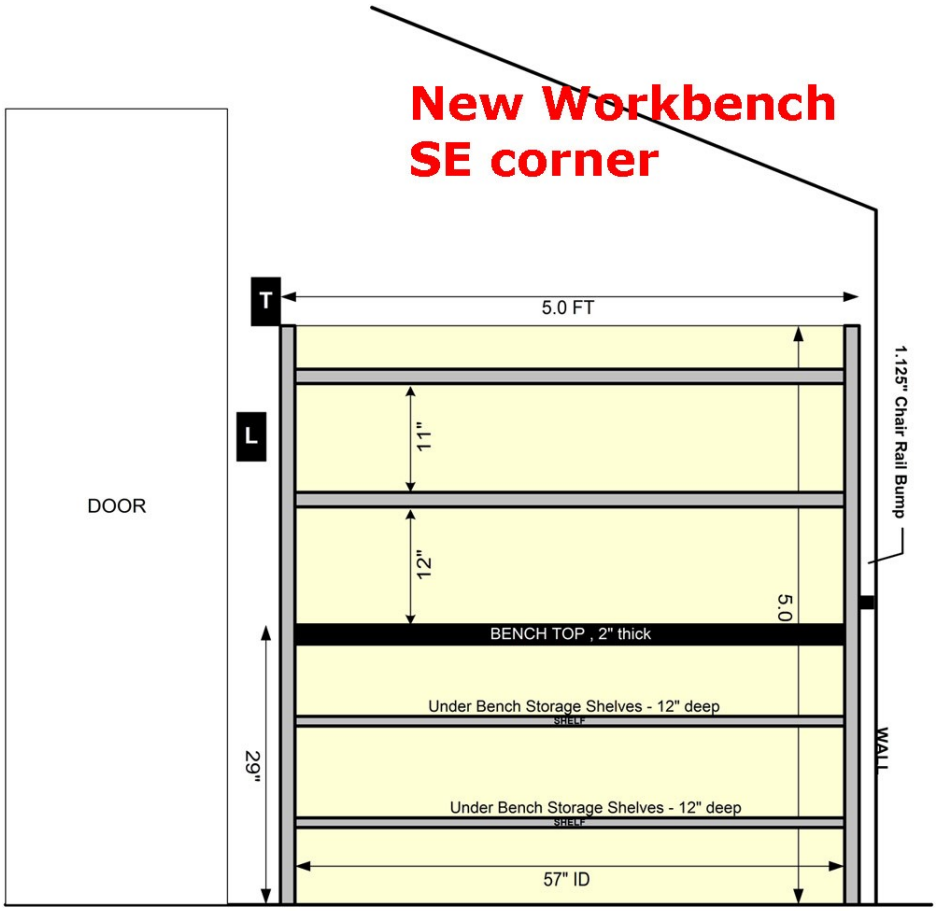
It was decided in a recent Museum Committee meeting and further email discussions that the committee will attempt to make the following changes…



Move the Old Radio Repair and Test Bench to the SE corner of the room, where the old timey roll top typewriter desk is currently located. The 5 ft wide workbench will be enclosed within walls 5 ft high on 3 sides– sort of like a corporate world cubical.

In the NW corner of the room (where workbench currently resides) there will be two 4 ft x 30 inch tables for antique radio stations to be placed. One station will be a Phone station, most likely a Classic SSB rig. On the 6 ft wall behind the tables we plan to install a set of shelves to display old radios and associated equipment. We want members and visitors to be able to pick up a piece of equipment, place it on the table, and use it.





Drawing shows new Cubical workbench design

Along the South wall– where the old library table holds the Collins 75A4 receiver – the plan calls for a 6 ft long by 30 inch deep operating table with display shelves attached to the wall like mentioned above.

The west wall will be clear of equipment tables to not block the baseboard heater and provide for quick egress out the window if an emergency occurs. It'll be a good place to keep chairs.

About the Workbench: The RCT constitution requires the club to provide an area for repair and experimenting. Ever since I've been at RCT, this area has been in the museum. The current workbench is Version 2, where Version 1 was under the window– which prevented easy emergency egress. The workbench's proposed Version 3 location will take it out of immediate view of visitors and members giving tours– as the bench work area is sometimes left in a messy state. With the new floor plan– we are hoping for ultimate feng shui– the positive energy given off from a WW2 vintage radio with golden glowing dials and dust burning on hot vacuum tubes… as soon as the visitor enters the room.

The committee agreed that the current furniture, even though it looks like it belongs in a museum– is not sized effectively to support large sized antique radio equipment for ease of use. The committee will endeavor to find a good home for the roll-top typewriter desk and library table– maybe sell to raise cash for building materials.

Other committee news: Club member Jim Driskell W7OWI is the Museum committee's newest member to join Randy WB4SPB, Alan N7OMS, Chuck AC7QN and Rich KR7W.

Keep your Filaments Lit and Best Regards, Rich KR7W

Radio Club of Tacoma PMT Sales
as of 10 AUGUST 2019

NEW ITEMS IN RED

ITEM		PRICE
4. Heath Clock GS-1000		$ 50.00
18. Yaesu HF PWR AMP FT-2100B		$ 300.00
25. Kenwood XTAL Filter YG-455C-1		$ 50.00
41. Suitcase with Tektronix scope camera		$ 50.00
84. Comet Triplexer CFX-514		$ 40.00
94. TEN TEK HF XCVR UNI 6+		$ 400.00
94A. TEN TEK Power Supply OMNI PS	P/O # 94	
101. Timewave TNC Terminal DSP-9+		$ 25.00
110. Kenwood HF XCVR TS-850S SN: 70100203		$ 300.00
112. SWAN SWR METER WM-2000		$ 75.00
114. Astron Power Supply RS-12A		$ 25.00
115. Rohn tower six sections/ rotor top section		$ 450.00
116. Hammarlund HF RX HQ-105TR		$ 100.00
118. Comet mobile ant UHF-4		$ 75.00
119. Elecraft HF XCVR K1 TWO bands	15/40 /AT (pic next page)	$ 300.00
123. MFJ ANT Tuner Versa Tuner II 962D		$ 250.00
125. Kenwood 2 MTR XCVR TR-9000		$ 100.00
127. Mirage 2 MTR AMP B-1016G		$ 200.00
128. MFJ Power Supply MFJ 4245MV		$ 100.00
129. Kenwood Microphone MC-50		$ 75.00
131. ICOM HF XCVR IC- 706	SN: 8973	$ 500.00
132. MFJ Ant Tuner MFJ-969	SN: NA	$ 150.00
133. YAESU HF XCVR FT-990	SN: 11060244	$ 600.00
134. YAESU Speaker SP-6	SN: 1 E001	$ 60.00
135. MFJ Ant Tuner MFJ 949E	SN: NA	$ 75.00
136. Yaesu Rotor Controller G-800SDX	SN: NA	$ 55.00
137. Wilson TWR Section TT-114 11'	SN: NA	$ 25.00
138. Kenwood HF RX R-599D	SN: 530265	$ 150.00
139. Vista 12vdc- 120vac Inverter CXV-4	SN: 079717	$ 30.00
140. Eveready AC RX MOD 2 M11-594	SN: NA	$ 30.00

The items listed above are available for purchase or inspection at the Radio Club of Tacoma's club house on or at any Saturday Open House from 10:00am to 2:00pm. All items have been inspected and tested for basic operation and any deficiencies are clearly marked.

Please see Red Cranefield WB7EC, wb7ec©w7dk.org or one of the club PMT members for assistance. New donations are gratefully accepted.

Elecraft K1 Transciever w/ATU for 40m and 15m $300

Eveready AC RX MOD 2 M11-594 $30

RCT 2019 ANNUAL POTLUCK PICNIC

Sunday, August 25th, 2019

11:30am – 4:30pm

Fort Steilacoom Park - Shelter #1

8714 87th Ave SW, Tacoma, WA

Directly across the street from Western State Hospital (Field Day site)

Join your fellow Radio Club of Tacoma members for a day of festivities, camaraderie, great conversation, fun activities, a possible POTA activation and Paul's famous 'Vittles'

Setup, if needed, starts at 10:00 Am

The RCT, as usual, will provide Hamburgers, Hot dogs, and condiments as well as water and soft beverages
The rest is POTLUCK so bring your favorite side dish or salad (preferred), or desert

Volunteers giving to make the club better

Bob Heselberg K7MXE recently stepped up and donated a nice 1600 psi Pressure Washer to the club. This equipment will be very useful for cleaning jobs around the property.

Thanks, Bob

ARES MATTERS

Amateur Radio Emergency Service (ARES)
Western Washington Section
District 5, Pierce County ARES
www.PierceCountyARES.net

Greetings fellow Hams!
ARES MATTERS provides information about amateur radio emergency communications, and Pierce County District 5 ARES activities and events, courtesy of Radio Club of Tacoma's *The Loggers Bark*. Amateur Radio Emergency Service (ARES) is an ARRL organization dedicated to Amateur Radio Emergency Communication through proficiency and preparedness.

When You Need Amateur Radio, You Really Need It!

ARES Background
Pierce County ARES manages local ARES activity, training, exercises, and proficiency development. Pierce County ARES supports and meets at the Pierce County Emergency Operations Center every third Thursday, at 7PM.

Future meetings, current events, and items of Ham radio interest
Lots of great amateur radio proficiency enhancement opportunities and fun are scheduled for District 5 ARES members during the next few months:

September 19th, 7PM Pierce County Emergency Operations Center (EOC), monthly meeting

October 17th, same time and place, monthly meeting

SPECIAL NOTICE: Attending members are reminded that enhanced security protocol procedures are now in place. Members must show and wear their Washington State Emergency Worker Card while in the EOC. Non-members are still welcome; we will provide badging on-site. Not an ARES member and want to be? No problem. E-mail me, Gary Emmons, KH2AY, District 5 PIO at garyemmons46@msn.com and I'll help you get started.

In addition to upcoming ARES monthly meetings, District 5 DEC, Stan Nelson, K7DKK, says that the 2019 ARRL National Simulated Emergency Test (SET) emergency communications exercise is scheduled for Saturday October 5th. Stan says the SET is a functional exercise for all District 5 teams. Stan reminds us that this is the largest exercise of the year, and he hopes as many District 5 members as possible will participate. There is another statewide exercise scheduled for December 7th.

In a constant effort to recruit new District 5 members, a group of District 5 ARES members staffed an ARES public information booth at the Pierce County Fair, at Frontier Park, August 8-11. Stan Nelson, K7DKK, District 5 DEC, was in attendance for the three-day event, and revealed that of the more than 300 inquiries he had, most were interested in becoming Hams, "I gave each person information about the Radio Club of Tacoma… I hope we excite more people about Ham radio," he said.

In other District 5 activities, Stan said that ARES installed a new, 6-meter repeater at the 6,300-foot Ravens Roost peak site near Yakima. "This repeater should really help bridge the radio communications gap between

eastern and western Washington… Especially for Camp Murray's Emergency Management Division's radio operations," Stan explained.

Stan was delighted to report that 12 District 5 emergency communications 'Go Kits' have now been issued to team leaders for use in training exercises and actual emergencies. "We are ready to respond," he said.

Pierce County District 5 Website: http://www.piercecountyares.net/web
ARES Membership Application: http://www.piercecountyares.net/web/application
ARES Facebook Page: https://www.facebook.com/groups/PierceCountyARES/files/
Washington State Emergency Management: https://www.facebook.com/WashEMD/
ARES Information and Communications Plan frequencies:

For ARES Team, EOC frequencies, and other ARES activities you may also use the following W7DK.org Web-site, using the following link:

http://www.w7dk.org/index.php?option=com_content&view=category&layout=blog&id=46&Itemid=111

Gary Emmons
District 5 PIO
KH2AY
garyemmons46@msn.com

Adam W2NCC is putting together another MFJ bulk buy list. Signups are posted on the clubhouse classroom door. Typical discounts run about 30%.

Sign up now to get a cost quote before the final order is submitted.

Beginner's Corner - Diodes

A diode is an electrical device that allows current to flow in one direction while greatly resisting flow in the opposite direction. Diodes are one of the most commonly used electrical components in all electronic systems. They're everywhere!!

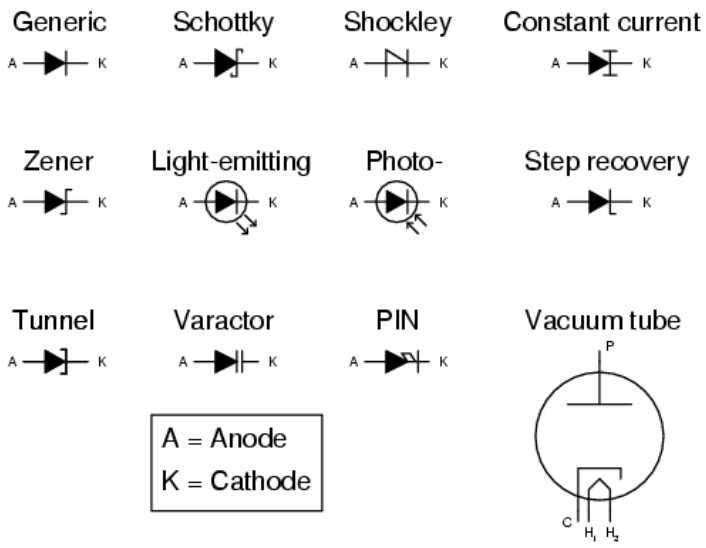
Diodes were invented by John Fleming in 1904 and took the form of a vacuum tube of two elements. These have been almost completely replaced by ***semiconductor*** diodes in recent years. In general *diodes* refer to devices rated at less than 1 amp while devices rated higher are referred to as *rectifiers.*

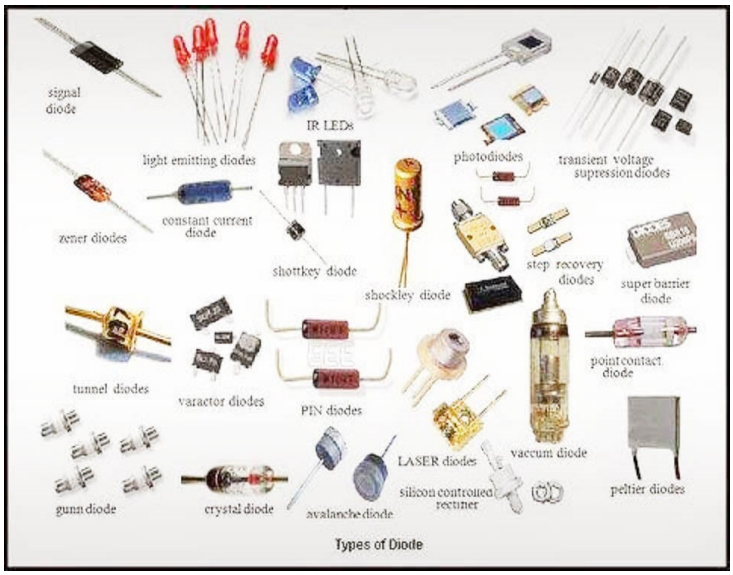
The schematic symbols for various types of diodes are shown below. Notice that the arrow indicates the direction of current flow. Current flow is allowed or resisted depending on the voltage polarity. If the positive voltage is applied to the 'arrow' end then current will flow; if applied in the opposite direction current is opposed ie. 'barred'.

When a diode is conducting it is said to be *Forward Biased* and drops a small voltage across it while most of the applied voltage is dropped across the load. This forward-bias voltage drop exhibited by the diode is due to the action of the depletion region formed by the P-N junction under the influence of an applied voltage. If no applied voltage is across a semiconductor diode, a thin depletion region exists around the region of the P-N junction, preventing current flow. The depletion region is almost devoid of available charge carriers, and acts as an insulator.

If a reverse-biasing voltage is applied across the P-N junction, this depletion region expands, further resisting any current through it.

For silicon diodes, the typical forward voltage drop is 0.7 volts, nominal. For germanium diodes, the forward voltage drop is only 0.3 volts. The chemical makeup of the P-N junction comprising the diode accounts for its nominal forward voltage figure, which is why silicon and germanium diodes have such different forward voltages. Forward voltage drop remains approximately constant for a wide range of diode currents, meaning that diode voltage drop is not like that of a resistor or even a normal (closed) switch. For most simplified circuit analysis, the voltage drop across a conducting diode may be considered constant at the nominal figure and not related to the amount of current.





Radio Club of Tacoma
General Meeting
July 6, 2019

Meeting called to order at 13:33 by W7XTZ at Tacoma Eagles Aerie #3, 4810 S. Tacoma Way

Officers and Directors Present:

Vice President	Mike Mikuchonis W7XTZ
Treasurer	Steve Dightman AF7YD
Board	Red Cranefield WB7EC]
Board	Phil Pia K7PIA
Board	Paul Matney W7PFU

Pledge of Allegiance led by Verna Lily KF7SCB

Welcome and Self Introductions:

25 signed the attendance roster which is included in this report

Guests Andy K7FO (Maple Valley RC President)

Scott – N7LOL

Dan – KF7HJ

Health and Welfare – None reported

Secretary's Report (W7MWF): Usual stuff: periodicals, utility bills, bank statements, membership renewals. Honey Bucket invoice from Field Day $420.00

Treasurer's Report (AF7YD): Steve reported that the club treasury is in good shape and all current bills have been paid

President's Report (W7UUU) None

Committee/Activity Reports

Membership (K7GRS): 267 active members, one new application 7/6/19

Training Technician training suspended through the summer. The next scheduled class will be held October 6/7. Dave N7HT indicated a possible new General Class in September.

VE Report (AC7WW): Next VE session will be July 9.

HF Operations (K7PIA): HF stations operating nominally. Good report from Field Day. A couple of contests are upcoming NA QSO party, Worldwide Digital (FT8). RCT Board approved funds for construction of table for flex station in HF room. To be completed by Salmon Run.

Repeater Ops (K7TMW): no reports of repeater issues

IT Report (WB4SPB): All systems nominal

Museum (KR7W) reported by WB4SPB: They are restoring the Mohawk RCVR

Facilities Mgmt. (W2NCC): report by W7MKE, money allocated by board to purchase new roll-up door for garage with framing by RCT members. Board authorized Adam W2NCC to hire exterminators for rodent problem if necessary. Sub panel work in HF room should commence soon.

Property Mgmt.

Red WB7EC reported June Raffle proceeds $32.00 and surplus sales $30.50. Several nice new donations have been received.

Logger's Bark (N7PH) PJ reports he's retiring as editor effective 12/31/19. Please indicate if you're interested in the editor position. Also, continue to send ideas, pictures, etc. to him for BARK. *(Note; The December issue will be my last so if no one volunteers there will be no further issues; ed.)*

New Business

Dave N7HT reminded everyone of recent LA earthquake and urged everyone to check their go kits and emergency supplies.

Unfinished Business

New RCT Shed (W7MKE) RCT spent $1944.15 and donations are estimated to be $2958.09 for total cost of $4902.26. The following members contributed to the project.

Shed Builders:

Warren Angus NG7G	Adam Barbera W2NCC	Steve Dightman AF7YD
Mike Drorbaugh W7MKE	Al Ferguson N7OM	San Gilbertson K7HTU
Chuck Kemmer AC7ON	Joe Kubistek KG7ZYB	Verna Lily KF7SCB
John Marsden KI7YRC	Dick Marsden N7RHV	Mike Mikuchonis W7XTZ
Paul Matney W7PFU	Evan Moyer KI7ZEW	Rich Patrick KR7W
Doug Schafer K7KDG	Daniel Vacanti KD7S	

Material Donations from:

Bruce Hanson WE7P	PJ Hicks N7PH	Mike Drorbaugh W7MKE
Ollie Bond AD7CC	Adam Barbera W2NCC	Warren Angus NG7G
Joe Kubistek KG7ZYB	Jan Gilbertson K7HTU	John Marsden KI7YRC
Steve Blacksten AD7VL		

Program: Robert Grinnell, KD7WNV, long -time member of Mike & Key ARC reported on Ham Radio involvement in various wilderness trail races such as the Bigfoot 120 and Bigfoot 200. The purpose was to solicit participation of hams for upcoming Bigfoot races.

No Ham Gear actually needed, although if you have gear it may be incorporated as needed. Mostly use 2M, 6M and Winlink.

Events run from 2- 5-days but you need not participate full time but should probably volunteer for 2 days at least for the 5-day Bigfoot 200 event. Be self-supporting, but food, water, facilities are generally available.

ORVs not necessary as most roads are accessible to regular cars but some roads it's better to have ORV.

If interested, contact Robert Grinnell via email at KD7WNV@ARRL.net or check with Phil Pia K7PIA or Mike Mikuchonis W7XTZ who can connect you.

Tuning and traffic: none reported

Door Prize: none available this month

Raffle Prize: An MFJ 890 DX Beacon Monitor was won by a guest, Steve N7LOL.

Adjournment at: 15:20

Respectfully submitted,

Mike Drorbaugh – W7MKE

Acting Secretary

Radio Club of Tacoma
Board of Directors Meeting Agenda
July 3, 2019

Meeting called to order at 1859 PDT BY Vice President Mike W7XTZ

Officers and Directors Present:

President	Dave Ellison W7UUU (late arrival)
Vice President	Mike Mikuchonis W7XTZ
Secretary	Mike Finnie W7MWF
Treasurer	Steve Dightman AF7YD
Board	Bruce Hanson WE7P
Board	Paul Matney W7PFU
Board	Adam Barbera W2NCC
Board	Red Cranefield WB7EC
Board	Phil Pia K7PIA

Quorum: A quorum was seated. There were 17 members signed in on the attendance roster.

Silent Key or Illness: None reported

Minutes of the June 5, 2019 Board Meeting were approved as circulated

Secretary's Report: Mike W7MWF reported receipt of the usual Correspondence: Memberships, Utilities, Subscriptions, and Bank Statements. Honey Bucket bill $420.00 was also received.

Treasurer's Report: Steve AF7YD presented the status of the treasury and preliminary figures for Field Day expenses.

Committee / Reports:

Membership	No report available.
Training	Technician training is suspended through the summer. The next scheduled class will be held October 6/7 VE Testing will be held July 9.
Info Tech and Website	Randy WB4SPB advised that all systems are operating under normal pa rameters.
HF Operations	K7PIA reported all stations operational and that reports of FD ops were ex tremely good. Chris N7CPM submitted a request to authorized expenditure of $500 for new monitors for the #2 HF position upstairs. Request approved. President Dave W7UUU arrived and relieved W7XTZ as meeting moderator.
Repeater Ops	There are no adverse complaints about repeater operability. Chris N7CPM will be the new Net Control for 1st Tuesdays.
Facilities Mgmt	Adam W2NCC reported that a broken electric outlet in the kitchen has been repaired. Cleaning out garage and migrating equipment to the new shed is on going. Several executive chairs were donated to the club anonymously, and shall be integrated as appropriate. Adam raised the issue of the continuing rodent problem. It was suggested that he contact professional exterminators to find out what options might be availa ble.
Property Mgmt	Red WB7EC reported June Raffle proceeds $32.00 and surplus sales $30.50. Several new donations have been received. Red submitted a list of items for disposition approval. The request was approved as submitted. A copy of the list is filed with these minutes.
Museum	Randy advised that equipment restoration is ongoing.
Weds Workshop	TBA
General Meeting	Robert Grinnell, KD7WNV, long -time member of Mike & Key ARC will give a presentation about Ham Radio involvement in various wilderness trail races such as the Bigfoot 120 and Bigfoot 200.

Unfinished Business:

Mike W7MKE advised that the new RCT shed has been completed. RCT spent $1944.15 from the treasurey and donations are estimated to be $2958.09 for total cost of $4902.26. A copy of Mike's report is filed with these minutes. A list of all helpers and donors will be compiled and presented at the General Meeting. Great Job Mike and Team.

Adam W2NCC submitted a bid from Northwest Door LLC for large garage door (including installation) in the amount of $786.00 plus tax. The Board voted to vacate any previous authorizations for door purchases and to authorize the expenditure of no more than $1000.00 for a new door and installation.

Stephen AD7AB brought the Board up to date on the dynamic issues associated with participation in the 2019 State Fair. A copy of the correspondence Stephen received from Susan Knapp, Fair Groups Coordinator, is filed with these minutes. After much discussion, the Board resolved to defer to Stephen's judgement regarding how best to participate in the Fair this year, or, if it is in the best interest of the Club, to decline to participate. At the conclusion of the Fair, the issue will be revisited and appropriate communications to the Fair Board will be considered.

New Business:

Steve AF7YD reported that Michael Burnett had donated two sets of Amateur License Training Manuals to the Club. Dave W7UUU will send a thank you note to Mr. Burnett, and the manuals will be placed as deemed appropriate by the Library Committee.

Steve also reported that Nick K7MO, Stephen AD7AB, and he had meet with Josh Shelton KJ7ENN (City of Tacoma) regarding his request at the June Board meeting for guidance in antenna design and placement at their Emergency Operations Center.

Activity Reports and Discussion Topics:

Field Day 2019 – Event Highlights and Lessons Learned were discussed by Adam W2NCC. Overall the event was a great success, in spite of dismal propagation. Several issues involving refueling generators and tent availability were observed and will be corrected in future events.

Announcements:

Dave W7UUU and Anne N7ANN will not be having their open house event as previously planned.
The Summer Picnic is scheduled for the last Sunday in August at Steilacoom Park.

Adjournment was at 2027 PDT.

Lola; another of our club's unsung heroes who do so much to enhance our club experience.

The Club LINEUP

Club Officers

President: Dave Ellison, W7UUU - w7uuu©w7dk.org

Vice Pres: Mike Mikuchonis, W7XTZ - w7xtz©w7dk.org

Secretary: Mike Finnie, W7MWF - w7mwf©w7dk.org

Treasurer: Steve Dightman, AF7YD - af7yd©w7dk.org

5 Board Members

Bruce Hanson, WE7P - we7p©w7dk.org

Paul Matney, W7PFU - w7pfu©w7dk.org

Adam Barbera, W2NCC - w2ncc©w7dk.org

Red Cranefield, WB7EC - wb7ec©w7dk.org

Phil Pia, K7PIA - k7pia©w7dk.org

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The Fine Print: The Logger's Bark is published once a month for the membership of The Radio Club of Tacoma or interested ham radio enthusiasts. The Bark is delivered by PDF file on the club's website: www.w7dk.org.

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www.w7dk.org [LINK] - For the latest and most current information on events and activities, visit the Radio Club of Tacoma Website.

Radio Club Repeaters

Central Tacoma: 147.280 + PL=103.5

Crawford Mountain 147.380 + PL=103.5 (E of Olympia © 1500 ft ASL)

Central Tacoma: 440.625 + PL=103.5

North Tacoma: 145.21 – PL=141.3